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ADDENDUM NO. 1
TO THE DRAWINGS AND SPECIFICATIONS FOR:

PARTIAL ROOF REPLACEMENT, DUBLIN RECREATION CENTER, CITY OF DUBLIN

SCHORR ARCHITECTS, INC.
230 BRADENTON AVENUE
DUBLIN, OHIO 43017
614/798-2096

June 10, 2014

THE ADDENDUM MUST BE RECEIPTED FOR ON THE BID FORM.

TO ALL BIDDERS:

This addendum supplements and amends the original drawings and specifications and shall be taken into account in preparing your proposal. It will become a part of the Contract Documents.

ITEM 1
There was a Pre-Bid Meeting held on June 5, 2014. Attached is a copy of the list of attendees.

ITEM 2
If Bidders need to visit the site, they need to contact Larry George with the City of Dublin at 614/496-0200 to make arrangements.

ITEM 3
The estimate for this project is between $525,000.00 to $550,000.00.

ITEM 4
Project Manual, Section 01 32 00 Construction Schedule;
Contractor should receive their Notice to Proceed by July 15, 2014. The Recreation Center will be closed to the public between August 22, 2014 and September 1, 2014. Contractor will be able to continue to work.

ITEM 5
Project Manual, Section 01 50 00 Temporary Facilities and Controls, paragraph 3.1,D add;
"Owner has 110 volt electric power capabilities. If Contractor requires more voltage, Contractor will need to provide."

ITEM 6
Project Manual, Section 01 77 00 Cleaning, paragraph 3.1,B, clarification;
Contractor will be able to locate dumpsters along the far north side of the building, the far east side of the building, and at the dumpster/utility enclosure at the west side of the building. Contractor will need to coordinate with the Owner and restore all areas disturbed to existing condition. There will be a generator project taking place during a portion of this project at the dumpster/utility enclosure area. Contractor to coordinate.

ITEM 7
Drawings, Sheet A2.0, Coded Note 41;
Reference attached Specification Section 08 63 00 Metal Framed Curb Mount Skylights. The (2) south most skylights to be replaced are approximately 12'-0" long in lieu of 15'-0".

ITEM 8
Drawings, Sheet A3.0, Coded Note 6;
Reference attached Specification Section 22 14 00 Facility Storm Drainage. Contractor to paint all new exposed drain, piping, etc. Touch-up paint where tying into existing piping and decking. All of this work needs to take place between August 22, 2014 and September 1, 2014.

ITEM 9
Drawings, Sheet A3.0, Area I, Coded Note 14;
At the (2) openings in the wall at Area I, indicated by Coded Note 14, Contractor needs to install concrete block to create an opening that starts 4" above the new roof surface. This opening will serve as the overflow drainage for this area.

END OF ADDENDUM NO. 1

Attachments: Pre-bid Meeting Attendees List
Project Manual, Section 08 63 00
Project Manual, Section 22 14 00

Pre-Bid Meeting
City of Dublin

Partial Roof Replacement, Dublin Recreation Center

June 5, 2014 2:30 P.M.

NAME/COMPANY	~~PHONE~~ #
Brian A. Shford / City of Dublin	614 410 - 4790
RANDY HERSCHFELD / COTTERMAN ; CO.	419-628-3713
Greg Hilling / General Maint. & Eng. Co.	614-279-8611
Bob BARTels / Smith Roofing & Sheet Metal	614-447-8293
MATT meyers STRUCTURE TEX.	513 206 8909 EXT 1502
Jason Clayton FIRESTONE	614 458-8740
Pete Smith ABC	614-397-7636
Lenny George / City	614-496-0200
Josh Ghl Chemcote	614-374-7099
GEORGE DENNIS / CARL T. JOHNSON	740-608-5778
JACK WARE / K&W ROOFING, INC	740-927-3122

SECTION 086300 – METAL FRAMED CURB MOUNTED SKYLIGHTS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including Contract Documents and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes:
   1. Prefabricated fixed skylights.

1.3 REFERENCES

A. Aluminum Association (AA):
   1. Specifications for Aluminum Structures.

B. American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
   1. ASHRAE 90.1 - Energy Standard for Buildings Except Low-Rise Residential Buildings.

C. ASTM International (ASTM):
   1. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

D. Factory Mutual System (FM Global):
   1. FM - Approval Guide, Chapter 18 - Building Materials.
   2. FM Standard 4430 - Test Criteria for Heat and Smoke Vents.

E. National Fenestration Rating Council (NFRC):
   1. NFRC 100 - Procedure for Determining Fenestration Product U-Factors.
   2. NFRC 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance of Normal Incidence.

F. North American Fenestration Standard (NAFS):
   1. AAMA\WDMA\CSA\101\I.S.2\A440 - The Voluntary Performance Specification for Windows, Skylights, and Glass Doors.

1.4 PERFORMANCE REQUIREMENTS

A. Skylights must conform with all federal, state and local code bodies having jurisdiction, and be designed to withstand all forces of nature deemed necessary by those code bodies for the specified project location.

B. Plastic unit skylights shall conform to recommendations of the AA Specifications for Aluminum Structures.

C. Skylights must be designed to carry a minimum 30 psf tributary roof load or greater per the prevailing model code.

D. Skylights must tested and labeled in accordance to AAMA\WDMA\CSA\101\I.S.2\A440 as required

by Section 2405.5 of the 2003 International Building Code.

E. Drop Test:
   1. A 200 lb drop test from a height of 24 inches above the center (highest point) of dome shape and at mid points of both the 5 foot and 6 foot side (approximately 15 inches and 18 inches from center).
   2. The 200 lb load must be contained within a flexible bladder or sack having approximate dimensions no larger than 30 inches long, 20 inches wide, and 8 inches high, filled with course sand or pea gravel.
   3. The dome must withstand the sack drop without inverting or breaking.
   4. Finished skylight domes sealed in frame must also handle 500 lb on 1 square foot point loading without inverting.
   5. The drop test must be witnessed and certified by the test laboratory which provides the NAFS certification.

F. Skylights must be certified by the NFRC.

G. Skylights must be certified by the NAFS.

H. Skylights must be Factory Mutual approved.

1.5 SUBMITTALS

A. Product Data: Manufacturer's data sheets, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.

B. Shop Drawings: Submit plan, section, elevation, and perspective drawings. Include all flashing, connection, and termination details necessary for a proper and complete installation.

C. Sample warranty.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of ten (10) years experience.

B. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five (5) years demonstrated experience in installing products of the same type and scope as specified.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

B. Store and dispose of hazardous materials, and materials contaminated by hazardous materials, in accordance with requirements of local authorities having jurisdiction.

1.8 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.9 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal-framed skylights that fail in materials or workmanship within specified warranty period.
   1. Failures include, but are not limited to, the following:
      a. Structural failures including, but not limited to, excessive deflection.
      b. Noise or vibration caused by thermal movements.
      c. Deterioration of metals, finishes, and other materials beyond normal weathering.
      d. Adhesive or cohesive sealant failures.
      e. Water leakage.
   2. Warranty Period: Twenty (20) years from date of Substantial Completion. THIS WARRANTY WILL BE A PART OF THE ROOF MANUFACTURER'S WARRANTY.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers: Basis-of-Design Product: Subject to compliance with requirements, provide "Sunoptics Prismatic Skylights" or comparable product approved by Roofing Manufacturer.

2.2 VENTING SKYLIGHT UNITS

A. Glazing Panels:
   1. Configuration: Double Hip – Double Glazed.
      a. Outer Lens: SR 60 - 100 percent impact modified clear prismatic acrylic of sufficient thickness recommended to meet the specified performance requirements.
      b. Inner lens: SR25 White Prismatic Acrylic Lens.
      c. Outer Lens: Clear Armor™ Polycarbonate (Lexan SLX) Prismatic Lens.
      d. Inner lens: SR25 White Prismatic Acrylic Lens.
   2. Energy Requirements: Glazing material must have a maximum light distribution characteristic that maximizes the shading factor. Per Addendum D of ASHRAE 90.1 – 2007, the diffusing qualities of glazing must have a minimum haze factor of 90 percent or greater. The combined inner/outer lens target values shall be as follows:
      a. Light Transmittance: 67.8 percent minimum – 100 percent Class 1 and Class 3 Acrylic outer dome.
      b. Light Transmittance: 60.0 percent minimum – Clear Armor™ Polycarbonate (LEXAN SLX) outer dome.
      c. Diffusion / Haze Factor: 100 percent min.
      d. Solar Heat Gain Coefficient (SHGC): 0.52 maximum. NFRC 200
      e. "U" Value: 0.82 or lower (glazing and framing) in accordance with NFRC 100 or "unlabeled skylight" default requirements of ASHRAE 90.1 - 2004
   3. Hail Resistance Level: Class 1 as tested by certified engineering firm.
   4. Hail Resistance Level: Class 3 as tested by certified engineering firm.
   5. High Velocity Hurricane Zone Approvals (HVHZ): Clear Armor™ Polycarbonate (LEXAN SLX) as tested by certified engineering firm.

B. Frame:
   1. ASTM B 221 alloy 6063-T5 extruded aluminum frame with extruded aluminum dome retaining angle, Insulated thermal break, and integral condensate gutter.

2. Finish: Manufacturer's standard mill finish.
3. Provide pre-installed 1 1/2 inch x 1/4 inch foam rubber gasket between frame and curb.
4. Provide weather sweep attached to frame.
5. Curb Dimensions: Verify existing curb dimensions.

2.3 ACCESSORIES

A. Fasteners (For anchorage of skylight to existing roof curb): #12 x 1 1/2 inch 300 series stainless steel screws with washers. Provide fasteners in sufficient quantity for complete installation.

B. Washers: Neoprene/stainless steel bonded washers.

2.4 FABRICATION

A. Skylights must be factory assembled and glazed ready for installation.

B. Fabricate skylights weather tight and free of visual distortions and defects.

C. Protect exterior drip / counter flashing and drainage ports from weather and air-borne debris.

D. Miter and full penetration weld all corners of curb and retaining frames.

E. Retaining frames that secure the glazing panels along each side under spring tension need not be welded and must be sealed with a silicone sealant along the full perimeter of the retaining frame. Skylight frames must be pre-drilled for anchorage to roof curbs.

F. Seal glazing panels to base frame allowing for sufficient expansion and contraction. Provide exterior weep hole arrangement.

PART 3 EXECUTION

3.1 EXAMINATION

A. Contractor to remove existing skylight system and modify gypsum board wall. Do not begin installation until substrates have been properly prepared.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

3.4 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 086300

SECTION 221400 - FACILITY STORM DRAINAGE

PART 1 GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including Contract Documents and other Division 1 Specification Sections, apply to this Section

1.02 DESCRIPTION

A. Provide roof drain and interior storm-water piping.

B. Test complete system.

1.03 QUALITY ASSURANCE

A. Standards:

1. American Society for Testing and Materials (ASTM).
2. Cast Iron Soil Pipe Institute (CISPI).
3. Factory Mutual Global (FMG).
4. Code of Federal Regulations (CFR) Title 40, "Protection of Environment," Part 59, "National Volatile Organic Compound Emission Standards for Consumer and Commercial Products," Subpart D, "National Volatile Organic Compound Emission Standards for Architectural Coatings."
5. U.S. Environmental Protection Agency (EPA).

B. All pipe and fittings shall conform to the requirements of ASTM A74.

C. All piping materials and installation shall comply with State and Local Building Code requirements.

1.04 SUBMITTALS

A. Product data for drain.

PART 2 PRODUCTS

2.01 PIPING AND FITTINGS

A. Interior above-grade piping and fittings:

1. Hubless cast iron (CISPI 301), 3", factory-coated with coal tar enamel.

B. Cast iron pipe and fittings shall be factory-coated with coal tar enamel.

C. Acceptable Manufacturers:

1. Charlotte, Clow, American Cast Iron, Tyler Pipe, U. S. Pipe & Foundry, MWI, or Griffin.

2.02 JOINTS

A. Cast Iron:

1. Joints in hubless cast iron pipe sizes 1-1/2 in. to 10 in. shall be made with coupling approved to FMG 1680 Class 1, 0.015 shield thickness,50 lb. torque, and marked with the logo. Couplings for pipe sizes 1-1/2 in. to 10 in.: Clamp-All Corporation Model #80.

B. Acceptable Manufacturers:

1. Charlotte, Clow, American Cast Iron, Tyler Pipe, U. S. Pipe & Foundry, MWI, or Griffin.

C. All fittings shall be compatible with piping for size, material, and joint type.

2.03 ROOF DRAIN

A. Mifab #R1200-E-B-M. 3", adjustable cast iron drain and cast iron dome, bottom outlet, no-hub, membrane clamping collar, roof sump receiver, deck clamp, extension collar where required, and accessories as required.

B. Other Acceptable Manufacturers:

1. Approved equal by Zurn, J. R. Smith, Wade, Josam, Watts, or Ancon.

2.04 PIPING HANGERS

A. Uninsulated Piping.

1. Steel, cast iron, or plastic:

a. ½ in. to 8 in.: Anvil International Fig. 69. Galvanized carbon steel, adjustable swivel ring.

PART 3 EXECUTION

3.01 COORDINATION

A. Coordinate roof drain location, elevation, and installation with the Owner and Architect.

3.02 INSTALLATION

A. Pitch storm piping in direction of flow at not less than 1/8 in./ft. and not more than 1/4 in./ft., unless otherwise noted.

B. Storm lines shall be continuously sloped; trapping is expressly prohibited.

C. Contractor shall modify metal deck and install roof drain and clamp to sump receiver.

D. Contractor shall extend waterproofing membrane into roof drain and secure with collar. Install sealing gaskets between collar and drain.

E. Contractor shall flash into roof construction and make watertight.

F. Offset roof drain piping below roof to allow for thermal expansion and contraction of roof.

G. After erection, and prior to putting in service, blow or flush lines free of loose materials.

3.03 TESTS

A. Test new storm piping as required by the Code Authority having Jurisdiction.

B. Should leaks occur, remove the defective section of pipe and defective fitting and replace with new materials at no cost to Owner.

C. Repeat tests until no leaks occur.

END OF SECTION 221400